NBC NEWS- STS 41-G LAUNCH (10-5-1984)

https://www.youtube.com/watch?v=g8_iWIoORYo (https://www.youtube.com/watch?v=g8_iWIoORYo)

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From October 5th, 1984 NBC NEWS Coverage of the 13th Space Shuttle Launch.
Launched at 7:03 A.M E.T

STS-41-G Crew:
Commander: Robert L. Crippen
Pilot: Jon A. McBride
Mission Specialist 1: Kathryn D. Sullivan
Mission Specialist 2: Sally K. Ride
Mission Specialist 3: David C. Leestma
Payload Specialist 1: Paul D. Scully-Power
Payload Specialist 2: Canada Marc Garneau, CSA

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with a crew of seven aboard challengers ready to go at cape kennedy launch is set for 703 a.m today friday october 5th 1984. from nbc news this is today with bryant gumbel and substituting for jane pauley connie chung and good morning welcome to today for this friday morning i feel a little bit like the lonesome soldier up here but connie chung will be joining us in progress normally at this time we tell you what's ahead in our program and get to the news desk but this morning we suspend our usual format to cover the launch of the space shuttle our science correspondent bob bizzell is at the cape as his astronaut ron grabian good morning to both of you gentlemen how's it look any last second hitches brian it looks wonderful this has been a very smooth countdown ron uh this has been one of the smoothest countdowns there's ever been probably the smoothest that i can remember the weather's cooperating everything looks great looking forward to a really spectacular launch yeah last last night there was some concern about the weather but there's just a few clouds around right now if we look at the nasa select picture right now if we can take a look at that you'll see that the thing that's going across is uh that device to keep is on top of the fuel tank what does that perform that's the beanie bob function in life is to keep ice from forming at the very top of the external tank and that's being taken away now that's the last thing that will keep it from going up in space we should remind you that there are seven people on board the largest group of people ever to go on board including two women one of the women is sally ride who of course was america's first woman in space there's also a canadian astronaut the first person from that country to go into space right now the ground launch sequencer which is a computer right near here in the launch control center is controlling things at t minus 31 seconds the computer on board takes over that's a pretty exciting time isn't it right yes that's right at that point automatic control passes to the spacecraft itself and it's in control of the launch from there on well we're now at t minus one minute coming up and we're going to listen for the rest of the launch until it takes off to the voice of launch control rocky rock will be

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of launch control rocky rock will be released to t9 in 16 seconds hydrogen burn igniters are now armed these igniters will be fired at t minus 10 seconds to eliminate any residual hydrogen gas under the three main engine belt and reduce the probability of an over pressure t-minus 40 seconds we should have started the srb uh hydraulic power units at this point start and we clear it for auto sequence start t-minus 27 seconds now running on the uh orbiter computers we expect to get gold four main engine start at t minus 10 seconds standing by now for the terminal count t minus 15. t minus 12 11 10 9 8 go for main engine start seven six we have main engine start five three two one zero we have srb ignition and the history's largest astronaut crew is on its way houston controlling now all main engines running at a hundred percent roll program initiated 120 degree rule maneuver to put the airship out at 57 degrees degree inclination but the crew heads down and wings level traveling down to 92 main engines running smoothly throttling down now to 65 challenger going through the period of max q of uh maximum dynamic pressure on the ship engine performance still stable apu is all running smoothly

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velocity challenger houston go and throttle up uh all main engines back at 100 percent of thrust uh velocity 2000 3000 feet per second now altitude 11 miles distance downrange eight miles challenger climbing at the rate of 1800 feet per second engine performance still looks good all engines are running at 100 of rated thrust apu performance is nominal altitude 4200 feet altitude 18 miles 19 miles velocity 4 800 feet per second distance down range 20 nautical miles that called precursor to srb separation which should tell momentarily and nominal separation the offering engine still writing challenger houston first stage performance nominal birthday that call advising the crew that the performance of the solid boosters was as predicted and subsequent calls should be on time uh main engine performance is still nominal uh velocity 5400 feet per second altitude 36 nautical miles distance down range 49 nautical miles challenging now climbing at a rate of 4 700 feet per second as you've just seen and heard from rocky rob the voice of mission control solid rocket booster clear separation the uh launch of of challenger absolutely perfect going upset against the dawn sky of florida bob bazelle and

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florida bob bazelle and ron graby are still with us down there at the cape gentlemen how bad did nasa need this one given the problems of discovery last time out well this was one that they wanted to go off on time and it certainly did and i just wanted to say i've seen this is the 13th launch that i've seen and that one was really the most beautiful because it lit up against the clouds and the sun hadn't come up yet it was really great looking what would you think it was a spectacular sight bob of course it's a sight you never get tired of seeing makes us feel real good as well that we got it off right on time nasa's very concern not only with by the way getting it off on time they want to bring it back here on time on saturday we might also add that they did that one a bit under duress because this was the quickest turnaround discovery uh coming back to earth exactly one month ago today we'll get a check of the replay uh replay the the launch one more time of challenger it was scheduled to lift off the pad at 703 it went off exactly on time a beautiful sight against the dawn florida sky three two one zero zero we have srb ignition and the history's largest astronaut crew is on its way houston controlling now all main engines running at 100 percent so challenging and uh now well into its mission you're seeing our top story of the day played out before let's catch up on the rest of the day's news now we'll get to the news desk john palmer continues on a week vacation bob james

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